PATENT COOPERATION TREAT

PCT

REC'D 2'5 JUN 2004

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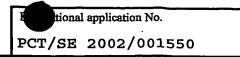
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	1					
Applicant's or agent's file reference	FOR FURTHER ACTIO	ON See Form P	CT/IPEA/416			
115416 PEL			Distributed (Industributed)			
International application No.	International filing date (da	ry/month/year)	Priority date (day/month/year)			
PCT/SE 2002/001550	30.08.2002	 				
International Patent Classification (IPC)		IPC				
H01Q 3/01, H01Q 21/00	, G01S 3/38					
Applicant	M Emiggon of	~]				
Telefonaktiebolaget L	M Ericsson et	aı				
This report is the international pro Authority under Article 35 and to	eliminary examination report ransmitted to the applicant ac	t, established by thi ecording to Article	s International Preliminary Examining 36.			
2. This REPORT consists of a total	of 3 sheets, i	ncluding this cover	sheet.			
This report is also accompanied by			·			
			shoots as Callering			
a (sent to the applican	t and to the International Bu	reau) a total of	sheets, as follows:			
and/or sheets	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the					
	ve Instructions).	t which this Author	ity considers contain an amendment that goes			
beyond the d	lisclosure in the international	application as file	d, as indicated in item 4 of Box No. I and the			
Supplements	al Box.					
b. (sent to the Internati	ional Bureau only) a total of	(indicate type and a	number of electronic carrier(s))			
	, containing	a sequence listing	and/or tables related thereto, in computer			
	readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4. This report contains indications	relating to the following item	is:				
	of the report					
Box No. II Priorit	-					
	•	blishment of opinion with regard to novelty, inventive step and industrial applicability				
		. 10gm a 00 110 1 010,				
1 1 1	of unity of invention					
applic	ability; citations and explana	35(2) with regard to attions supporting su	o novelty, inventive step or industrial ach statement			
	in documents cited					
Box No. VII Certai	in defects in the international	application				
Box No. VIII Certai	Box No. VIII Certain observations on the international application					
Date of submission of the demand Date of completion of this report						
Date of submission of the demand	Date of completion	t of any report				
15.03.2004		21.05.2004				
Name and mailing address of the IPEA/SE		Authorized officer				
Patent- och registreringsverket Box 5055						
S-102 42 STOCKHOLM		Anna Malm	perg /OGU			
Facsimile No. +46 8 667 72 88		Telephone No. +4	6 8 782 25 00			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Box	No. I	Basis of the report
1.		egard to the language, this report is based on the international application in the language in which it was filed, unlesse indicated under this item.
		This report is based on a translation from the original language into the following language, which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnish	egard to the elements of the international application, this report is based on (replacement sheets which have been to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed a not annexed to this report):
	\boxtimes	the international application as originally filed/furnished
		the description:
		pages as originally filed/furnished
		pages* received by this Authority on
		pages* received by this Authority on
		the claims:
		pages as originally filed/furnished
		pages* as amended (together with any statement) under Article 19
		pages* received by this Authority on
	_	pages* received by this Authority on
	Щ	the drawings:
		pages as originally filed/furnished
		pages* received by this Authority on pages* received by this Authority on
3.		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. The amendments have resulted in the cancellation of:
-	ш	
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not bee made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rul 70.2(c)).
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify): any table(s) related to the sequence listing (specify):
*	If item	applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Box No. V Reasoned statement und citations and explanation		der Article 35(2) with regard to novelty, inventive step or industrial applicability; ons supporting such statement			
1.	Statement				
ı	Novel	ty (N)	Claims Claims	1-12	YES NO
	Invent	tive step (IS)	Claims Claims	1-12	YES NO
	Indust	trial applicability (IA)	Claims Claims	1-12	YES

2. Citations and explanations (Rule 70.7)

This report is based on the claims as originally filed.

Documents cited in the International Search Report:

- 1. EP 0520489 A2
- 2. US 5339284 A
- 3. US 4500883 A

The cited documents represent the general state of the art.

The invention defined in claims 1-12 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method for enhancing the measuring accuracy in an antenna array. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-12 is novel and is considered to involve an inventive step. The invention is industrially applicable.

PATENT COOPERATION TREATY
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416			
115416 PEL				
International application No.	International filing date (day/month/year) Priority date (day/month/year)			
PCT/SE 2002/001550	30.08.2002			
International Patent Classification (IPC) o	r national classification and IPC			
H01Q 3/01, H01Q 21/00	, G01S 3/38			
Applicant				
Telefonaktiebolaget L	M Ericsson et al			
This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.				
2. This REPORT consists of a total of	of 3 sheets, including this cover sheet.			
This report is also accompanied by	y ANNEXES, comprising:			
	and to the International Bureau) a total of sheets, as follows:			
and/or sheets	description, claims and/or drawings which have been amended and are the basis of this report containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the re Instructions).			
	supersede earlier sheets, but which this Authority considers contain an amendment that goes			
beyond the di	isclosure in the international application as filed, as indicated in item 4 of Box No. I and the			
Supplemental	I Box.			
b (sent to the Internation	onal Bureau only) a total of (indicate type and number of electronic carrier(s))			
mandahla farma anlu a	, containing a sequence listing and/or tables related thereto, in computer			
Administrative Instru	is indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the actions).			
4. This report contains indications re	elating to the following items:			
	f the report			
Box No. II Priority				
Box No. III Non-est	ablishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. IV Lack of	unity of invention			
	ed statement under Article 35(2) with regard to novelty, inventive step or industrial			
= -	bility; citations and explanations supporting such statement documents cited			
Box No. VII Certain	defects in the international application			
Box No. VIII Certain	observations on the international application			
Date of submission of the demand Date of completion of this report				
15.03.2004	21.05.2004			
Name and mailing address of the IPEA/SI Patent- och registreringsverket	E Authorized officer			
Box 5055				
S-102 42 STOCKHOLM	Anna Malmberg /OGU			
Facsimile No. +46 8 667 72 88	Telephone No. +46 8 782 25 00			

Form PCT/IPEA/409 (cover sheet) (January 2004)

Box	No. I	Basis of the report
1.		regard to the language, this report is based on the international application in the language in which it was filed, unless vise indicated under this item. This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnish	regard to the elements of the international application, this report is based on (replacement sheets which have been thed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed re not annexed to this report): the international application as originally filed/furnished the description:
	ш	or originally filed/formished
		pages as originally filed/furnished pages* received by this Authority on
		pages* received by this Authority on
		the claims:
		pages as originally filed/furnished
		pages* as amended (together with any statement) under Article 19
		pages* received by this Authority on
		pages* received by this Authority on
		the drawings:
		pages as originally filed/furnished
		pages* received by this Authority on
		pages* received by this Authority on
		a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not bee made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Ru 70.2(c)).
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
*	lf item	1 4 applies, some or all of those sheets may be marked "superseded."

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims Claims	1-12	YES NO
	Inventive step (IS)	Claims Claims	1-12	YES NO
	Industrial applicability (IA)	Claims Claims	1-12	YES NO

2. Citations and explanations (Rule 70.7)

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